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1 Claims:

2 1 A casing centraliser comprising an annular body,
3 the annular body having a substantially cylindrical
4 bore extending longitudinally therethrough, the annular
5 body being formed from at least one material selected
6 from the group consisting of plastic material,
7 elastomeric material and rubber material, the
8 substantially cylindrical bore being a clearance fit
9 around the tubular casing to be centralised by the
10 centraliser.

11
12 2 A casing centraliser as claimed in claim 1 wherein
13 the material is selected from the group consisting of
14 polytetrafluoroethylene (PTFE), polyetheretherketone,
15 carbon reinforced polyetheretherketone,
16 polyphthalamide, polyvinylidene fluoride,
17 polyphenylene sulphide, polyetherimide, polyethylene,
18 polysulphone, polyethersulphone,
19 polybutyleneterephthalate, polyetherketoneketone,
20 polyamides, rubber & rubber compounds, phenolic resins
21 or compounds, thermosetting plastics, thermoplastic
22 elastomers, thermoplastic compounds and thermoplastic
23 polyester resins.

24
25 3 A casing centraliser as claimed in claim 1,
26 wherein the material contains a filler material.

27
28 4 A casing centraliser as claimed in claim 3 wherein
29 the filler material is selected from the group
30 consisting of glass, carbon, PTFE, silicon, molybdenum
31 disulphide, graphite, oil and wax.

32
33 ~~5 A casing centraliser assembly as claimed in claim~~
34 ~~1, wherein the annular body is of unitary construction.~~

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11

1 ⁵/₈ A casing centraliser² as claimed in claim 1,
2 wherein the annular body comprises a combination of at
3 least two different materials.

4
5 ~~7~~ A casing centraliser² as claimed in claim 1,
6 wherein the annular body comprises a metal skeleton at
7 least partially coated with said material.

8
9 ⁶/₈ A casing centraliser² as claimed in claim 1, having
10 a peripheral array of a plurality of longitudinally
11 extending blades circumferentially distributed around
12 the body of the centraliser² to define a flow path
13 between each circumferentially adjacent pair of said
14 blades, each said flow path providing a fluid flow path
15 between longitudinally opposite ends of said
16 centraliser², each said blade having a radially outer
17 edge providing a well bore-contacting surface.

18
19 ⁷/₈ A casing centraliser² as claimed in claim ~~8~~⁶,
20 wherein the blades are mutually substantially
21 equidistantly distributed around the body.

22
23 ~~8~~/₁₀ A casing centraliser² as claimed in claim ~~8~~⁶,
24 wherein the blades each extend circumferentially at
25 least part-way around said body between longitudinally
26 opposite ends thereof to provide a circumferential
27 distribution of each said well bore-contacting surface.

28
29 ⁹/₁₁ A casing centraliser² as claimed in claim ~~8~~⁶,
30 wherein each blade has a radially inner root integral
31 with said body, each said radially inner root
32 preferably being circumferentially wider than the
33 respective radially outer edge.

34
35 ¹⁰/₁₂ A casing centraliser as claimed in claim ~~8~~⁶

13

12

1 wherein the blades are circumferentially wider at a
2 lower end of the centralizer than at the upper end.

3 ~~48~~ ⁷¹ A casing centraliser ³ as claimed in claim ~~8~~ ⁶
4 wherein said centraliser ³ has five of said blades.

6 ~~12~~
7 ~~12~~ A casing centralizer² as claimed in claim 1,
8 substantially free of any means tightly gripping a
9 casing when said centralizer² is installed thereon,
10 whereby said centralizer² and said casing are mutually
11 rotatable.

12 ¹³
13 ~~15~~ A casing centralizer² assembly comprising tubular
14 casing and a centralizer² as claimed in claim 1.

~~16 A casing centraliser as claimed in claim 1,~~
~~wherein the annular body is divided along its axis into~~
~~at least two inter-connectable sections.~~

19 ¹⁵
20 ~~17~~ A casing centraliser as claimed in claim 18, ²
21 wherein each of said at least two inter-connectable ¹⁴
22 sections is adapted to allow the centraliser to be
23 placed around the tubular without needing to be
24 threaded over an end of the tubular.

25 ¹⁶
26 ² ~~18~~ A casing centralizer as claimed in claim ~~18~~, ¹⁴
27 wherein the division between the sections is not axial.

28 ¹⁷
29 ~~15~~ A casing centraliser ³ as claimed in claim ~~15~~ ¹⁴
30 wherein the sections are hingedly attached to one
31 another.

32 ¹⁸
33 ² ~~20~~ A casing centralizer as claimed in claim ~~18~~ ¹⁴,
34 wherein the sections are held together by fixings.

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